

# PATENT ABSTRACTS OF JAPAN

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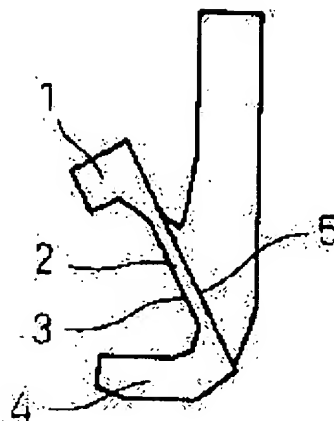
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## (54) CAVITY TYPE IRON GOLF CLUB HEAD

### (57)Abstract:

PROBLEM TO BE SOLVED: To provide a highly repulsive cavity type iron golf club head which is thin in the central part of a face and of which the upper part has a blade part and the lower part has a thick part called as a sole part.

SOLUTION: The so-called cavity type iron golf club head has the face part 2 having a hitting surface, the blade part 1 extending backward from the upper part of the face part 2 and the sole part 4 extending backward from the lower part of the face part 2. The iron golf club head has the face part 2 of  $\leq 0.25\%$  in the face bending rigidity ratio of the face part and of  $\geq 3.0 \times 10^{-3}$  mm/kgf in the flexibility index and the blade part 1 of  $\geq 0.93\%$  in the blade rigidity of the blade part. Further, the entire part rigidity of the entire part of the iron golf club head is  $\geq 1.5 \times 10^8$  kgfmm<sup>2</sup> and the entire part torsional rigidity thereof is  $\geq 4.0 \times 10^8$  kgfmm<sup>2</sup>.



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